SEQUENCE LISTING

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<110> Ross, Jeffrey
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ceggeaaggg tegeeegtgg cageagggge tecageeaag cageageeag tggacateee 720
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<212> PRT

<213> Mus musculus

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Asp Leu Glu Lys Val Phe Ala Glu His Lys Ile Ser Tyr Ser Gly Gln
20 25 30

Phe Leu Val Lys Ser Gly Tyr Ala Phe Val Asp Cys Pro Asp Glu His
35 40 45

Trp Ala Met Lys Ala Ile Glu Thr Phe Ser Gly Lys Val Glu Leu Gln 50 55 60

Gly Lys Arg Leu Glu Met Glu His Ser Val Pro Lys Lys Gln Arg Ser
65 70 75 80

Arg Lys Ile Gln Ile Arg Asn Ile Pro Pro Gln Leu Arg Trp Glu Val

Leu Asp Ser Leu Leu Ala Gln Tyr Gly Thr Val Glu Asn Cys Glu Gln
100 105 110

Val Asn Thr Glu Ser Glu Thr Ala Val Val Asn Val Thr Tyr Ser Asn 115 120 125

Arg Glu Gln Thr Arg Gln Ala Ile Met Lys Leu Asn Gly His Gln Leu 130 135 140

Glu Asn His Ala Leu Lys Val Ser Tyr Ile Pro Asp Glu Gln Ile Thr 145 150 155 160

- Gln Gly Pro Glu Asn Gly Arg Arg Gly Gly Phe Gly Ser Arg Gly Gln 165 170 175
- Pro Arg Gln Gly Ser Pro Val Ala Ala Gly Ala Pro Ala Lys Gln Gln 180 185 190
- Pro Val Asp Ile Pro Leu Arg Leu Leu Val Pro Thr Gln Tyr Val Gly
 195 200 205
- Ala Ile Ile Gly Lys Glu Gly Ala Thr Ile Arg Asn Ile Thr Lys Gln 210 215 220
- Thr Gln Ser Lys Ile Asp Val His Arg Lys Glu Asn Ala Gly Ala Ala 225 230 235 240
- Glu Lys Ala Ile Ser Val His Ser Thr Pro Glu Gly Cys Ser Ser Ala 245 250 255
- Cys Lys Met Ile Leu Glu Ile Met His Lys Glu Ala Lys Asp Thr Lys 260 265 270
- Thr Ala Asp Glu Val Pro Leu Lys Ile Leu Ala His Asn Asn Phe Val 275 280 285
- Gly Arg Leu Ile Gly Lys Glu Gly Arg Asn Leu Lys Lys Val Glu Gln 290 295 300
- Asp Thr Glu Thr Lys Ile Thr Ile Ser Ser Leu Gln Asp Leu Thr Leu 305 310 315 320
- Tyr Asn Pro Glu Arg Thr Ile Thr Val Lys Gly Ala Ile Glu Asn Cys 325 330 335
- Cys Arg Ala Glu Gln Glu Ile Met Lys Lys Val Arg Glu Ala Tyr Glu 340 345 350
- Asn Asp Val Ala Ala Met Ser Leu Gln Ser His Leu Ile Pro Gly Leu 355 360 365
- Asn Leu Ala Ala Val Gly Leu Phe Pro Ala Ser Ser Ser Ala Val Pro 370 375 380
- Pro Pro Pro Ser Ser Val Thr Gly Ala Ala Pro Tyr Ser Ser Phe Met 385 390 395 400
- Gln Ala Pro Glu Gln Glu Met Val Gln Val Phe Ile Pro Ala Gln Ala 405 410 415

Val Gly Ala Ile Ile Gly Lys Lys Gly Gln His Ile Lys Gln Leu Ser 420 425 430

Arg Phe Ala Ser Ala Ser Ile Lys Ile Ala Pro Pro Glu Thr Pro Asp 435 440 445

Ser Lys Val Arg Met Val Val Ile Thr Gly Pro Pro Glu Ala Gln Phe 450 455 460

Lys Ala Gln Gly Arg Ile Tyr Gly Lys Leu Lys Glu Glu Asn Phe Phe 465 470 470 475

Gly Pro Lys Glu Glu Val Lys Leu Glu Thr His Ile Arg Val Pro Ala 485 490 495

Ser Ala Ala Gly Arg Val Ile Gly Lys Gly Gly Lys Thr Val Asn Glu 500 505 510

Leu Gln Asn Leu Thr Ala Ala Glu Val Val Val Pro Arg Asp Gln Thr 515 520 525

Pro Asp Glu Asn Asp Gln Val Ile Val Lys Ile Ile Gly His Phe Tyr 530 540

Ala Ser Gln Met Ala Gln Arg Lys Ile Arg Asp Ile Leu Ala Gln Val 545 550 555 560

Lys Gln Gln His Gln Lys Gly Gln Ser Asn Leu Ala Gln Ala Arg Arg 565 570 575

Lys

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<212> PRT

<213> Mus musculus

<400> 3

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<210> 4

<211> 14

<212> PRT

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Gly Arg Gly Gly Phe Gly Asp Arg Gly Gly Arg Gly Gly
  1
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<211> 14
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<213> Homo sapiens
<400> 7
Gly Arg Gly Gly Phe Gly Gly Arg Gly Gly Arg Gly Gly
  1
                  5
                                     10
<210> 8
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<213> Homo sapiens
<400> 8
Leu Arg Arg Gly Asp Gly Arg Arg Gly Gly Gly Arg Gly
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<210> 9
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Gln Leu Arg Trp Glu Val Leu Asp Ser Leu Leu
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His Leu Gln Trp Glu Val Leu Asp Ser Leu Leu
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<213> Homo sapiens
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Gln Leu Arg Leu Glu Arg Leu Gln Ile Asp
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Thr Ile Ser Ser Leu Gln Asp Leu Thr Leu Tyr
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 Thr Ile Ser Pro Leu Gln Glu Leu Thr Leu Tyr
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<211> 11
<212> PRT
<213> Human immunodeficiency virus
<400> 15
Gln Leu Pro Pro Leu Glu Arg Leu Thr Leu Asp
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                   5
                                      10
<210> 16
<211> 7
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<213> Artificial Sequence
<400> 16
Gln Leu Leu Glu Leu Thr Leu
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<211> 47
<212> PRT
<213> Mus musculus
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Leu Leu Val Pro Thr Gln Tyr Val Gly Ala Ile Ile Gly Lys Glu Gly
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Ala Thr Ile Arg Asn Ile Thr Lys Gln Thr Gln Ser Lys Ile Asp Val
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His Arg Lys Glu Asn Ala Gly Ala Ala Glu Lys Ala Ile Ser Val
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<210> 18

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Arg Asn Leu Lys Lys Val Glu Gln Asp Thr Glu Thr Lys Ile Thr Ile
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Ser Ser Leu Gln Asp Leu Thr Leu Tyr Asn Pro Glu Arg Thr Ile Thr
                              40
Val
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<211> 47
<212> PRT
<213> Mus musculus
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Val Phe Ile Pro Ala Gln Ala Val Gly Ala Ile Ile Gly Lys Lys Gly
                  5
Gln His Ile Lys Gln Leu Ser Arg Phe Ala Ser Ala Ser Ile Lys Ile
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Ala Pro Pro Glu Thr Pro Asp Ser Lys Val Arg Met Val Val Ile
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 1
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Lys Thr Val Asn Glu Leu Gln Asn Leu Thr Ala Ala Glu Val Val
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                                 25
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40

35

Pro Arg Asp Gln Thr Pro Asp Glu Asn Asp Gln Val Ile Val Lys Ile

45

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Arg Asn Leu Lys Lys Ile Glu Gln Asp Thr Asp Thr Lys Ile Thr Ile
             20
                                                      30
Ser Pro Leu Gln Glu Leu Thr Leu Tyr Asn Pro Glu Arg Thr Ile Thr
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                              40
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<210> 23
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<212> PRT
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Ala Pro Ala Glu Ala Pro Asp Ala Lys Val Arg Met Val Ile Ile 35 40 45

<210> 24

<211> 48

<212> PRT

<213> Homo sapiens

<400> 24

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Lys Thr Val Asn Glu Leu Gln Asn Leu Ser Ser Ala Glu Val Val Val 20 25 30

Pro Arg Asp Gln Thr Pro Asp Glu Asn Asp Gln Val Val Lys Ile
35 40 45

<210> 25

<211> 50

<212> PRT

<213> Homo sapiens

<400> 25

Ile Leu Leu Gln Ser Lys Asn Ala Gly Ala Val Ile Gly Lys Gly Gly
1 5 10 15

Lys Asn Ile Lys Ala Leu Arg Thr Asp Tyr Asn Ala Ser Val Ser Val 20 25 30

Pro Asp Ser Ser Gly Pro Glu Arg Ile Leu Ser Ile Ser Ala Asp Ile 35 40 45

Glu Thr

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<212> PRT
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<400> 26

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Ala Lys Ile Lys Glu Leu Arg Glu Asn Thr Gln Thr Thr Ile Lys Leu 20 25 30

Phe Gln Glu Cys Cys Pro His Ser Thr Asp Arg Val Val Leu Ile 35 40 45

<210> 27 <211> 46 <212> PRT

<213> Homo sapiens

<400> 27

Val Thr Ile Pro Lys Asp Leu Ala Gly Ser Ile Ile Gly Lys Gly Gly
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Asp Glu Pro Leu Glu Gly Ser Glu Asp Arg Ile Ile Thr Ile 35 40 45

<210> 28 <211> 44 <212> PRT <213> Homo sapiens

<400> 28

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Leu Asp Glu Asp Thr Cys Thr Phe His Ile Tyr Gly 35 40

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Ile Glu Ala Glu Asn Glu Lys Asn Val Pro Gln
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<212> PRT
<213> Artificial Sequence
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Ile Ile
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<213> Artificial Sequence

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<213> Mus musculus	

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<221> PEPTIDE
<222> (10)
<223> Xaa where Xaa = Lys or Arg
<220>
<221> PEPTIDE
<222> (11)
<223> Xaa where Xaa = Ile or Lys
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<223> Xaa where Xaa = Tyr or Gly
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<221> PEPTIDE
<222> (15)
<223> Xaa where Xaa = Ile or Leu
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                                     10
                                                          15
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<400> 46
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10